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METHOD FOR THE PREPARATION OF 1-BENZOTRIAZOLYL CARBONATE ESTERS OF POLY(ETHYLENE GLYCOL)

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims the benefit of U.S. Provisional Application No. 60/171,834, filed December 22, 1999, which is incorporated by reference herein in its entirety.

FIELD OF THE INVENTION

This invention relates to activated poly(ethylene glycol) derivatives and methods of preparing such derivatives.

BACKGROUND OF THE INVENTION

Covalent attachment of the hydrophilic polymer poly(ethylene glycol), abbreviated PEG, also known as poly(ethylene oxide), abbreviated PEO, to molecules and surfaces is of considerable utility in biotechnology and medicine. In its most common form, PEG is a linear polymer terminated at each end with hydroxyl groups:

HO-CH₂CH₂O-(CH₂CH₂O)_n-CH₂CH₂-OH

The above polymer, alpha-,omega-dihydroxylpoly(ethylene glycol), can be represented in brief form as HO-PEG-OH where it is understood that the -PEG- symbol represents the following structural unit:

-CH₂CH₂O-(CH₂CH₂O)_n-CH₂CH₂-

where n typically ranges from about 3 to about 4000.

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AttyDktNo:34848/206445

V.A 8/26/93 In re: Antoni Kozlowski
Appl. No.: To Be Assigned
Filed: Concurrently Herewith
Page 5 of 5

Version With Markings to Show Changes Made:

In The Specification:

On page 1, immediately after the title of the application, please amend the following paragraph to read as follows:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a divisional of U.S. Application No. 09/740,556, filed December 18, 2000, which [This application] claims the benefit of U.S. Provisional Application No. 60/171,834, filed December 22, 1999, both of which are [is] hereby incorporated by reference herein in their [its] entirety.